County of Loudoun

Office of Transportation Services

MEMORANDUM

DATE:

March 1, 2010

TO:

Ginny Rowen, Project Manager

Department of Planning

FROM:

Lou Mosurak, AICP, Senior Coordinator LM

SUBJECT:

ZCPA 2009-0010—Townes at East Gate Proffer Amendment

First Referral

Background

This Zoning Concept Plan Amendment (ZCPA) application proposes to amend the proffers approved in October 2005 for ZMAP 2002-0022 (Townes at East Gate) to provide a cash-in-lieu contribution to the County instead of actual construction of certain proffered road improvements. The proffered improvements that are at issue, namely construction of an additional westbound left turn lane on John Mosby Highway (U.S. Route 50) at Poland Road (Route 742) and associated modifications to the existing traffic signal at the Route 50/Poland Road intersection, are in conflict with the planned VDOT Route 50 Improvement Project, which will widen and reconstruct U.S. Route 50 between Poland Road and Lee Road (in Fairfax County). This ZCPA application was initiated by the Board of Supervisors on December 1, 2009; the Copy Teste and Board Action Item are provided as *Attachment 1*. The Board Action Item included a resolution which provided guidance for staff review of this application. A vicinity map is provided as *Attachment 2*.

In its consideration of this application, the Office of Transportation Services (OTS) reviewed materials received from the Department of Planning on December 31, 2009, including (1) Copy Teste and Board Action Item dated December 1, 2009; (2) a statement of justification prepared by the Applicant, dated December 3, 2009, along with the original statement of justification from ZMAP 2002-0022; (3) redline and clean proffers for ZMAP 2002-0022 with proposed revisions; (4) bond estimate forms for the proffered improvements at issue, prepared by the Applicant, and (5) a concept development plan (plan set) revised through December 1, 2009.

Existing, Planned and Programmed Transportation Facilities

The Townes at East Gate site is located within the Suburban Policy Area (Dulles Community), approximately 2,000 feet south of U.S. Route 50, along the east side of Poland Road (Route 742), south of East Gate View Drive and on both sides (north and south) of Tall Cedars Parkway (Route 2200) (see *Attachment 2*). Roadways relevant to the subject proffer amendment application (i.e., U.S. Route 50 and Poland Road) are discussed below. OTS' review of existing and planned transportation facilities is based on the <u>2001 Revised</u>

<u>Countywide Transportation Plan (2001 Revised CTP)</u> and the <u>2003 Bicycle & Pedestrian Mobility Master Plan (2003 Bike & Ped Plan)</u>.

John Mosby Highway (U.S. Route 50) (segment between Loudoun County Parkway (Route 606) and the Fairfax County Line) is currently classified by the 2001 Revised CTP as a minor arterial. Currently, this segment of U.S. Route 50 is a six-lane median divided (R6M) roadway to the west of Poland Road, and four-lane median divided (R4M) roadway east of Poland Road. The roadway is largely a controlled access facility, but individual site access (local access) occurs both east and west of Poland Road. At present, VDOT is in the design stage of a major reconstruction and widening project from the Poland Road intersection eastward. This project, which as of this writing is anticipated by VDOT to be completed in the 2013-2014 timeframe, will reconstruct both directions of the existing roadway (expanding it to the north), widen the roadway to six lanes, improve intersections, turn lanes, and traffic signals, and add multi-use trails along both sides of the roadway. The 2001 Revised CTP designates the ultimate condition of this entire segment of U.S. Route 50 as a six-lane limited access principal arterial. Grade-separated interchanges are planned at Loudoun County Parkway (Route 606), South Riding Boulevard (Route 2201), and Tall Cedars Parkway (Route 2200). All at-grade access is ultimately planned to be terminated.

Poland Road (Route 742) (segment between U.S. Route 50 and Tall Cedars Parkway) is classified by the <u>2001 Revised CTP</u> (amended by CPAM 2004-0008 (East Gate Assemblage) in June 2005) as a minor collector. It is currently constructed largely as a two-lane (R2) roadway, though there are a number of existing turn lanes into individual parcels along the segment. Ultimately, this segment of Poland Road is planned to be widened to a four-lane undivided (U4) section, with left and right turn lanes at major intersections. Direct access to U.S. Route 50 is planned to be terminated when that roadway becomes a limited access facility; Poland Road would be realigned to the west just south of U.S. Route 50 and connect with South Riding Boulevard opposite existing Defender Drive.

Improvements proffered along Poland Road as part of the Townes of East Gate rezoning, consisting of widening the existing roadway to a four-lane undivided (U4) section from approximately 250 feet south of the existing commercial entrance to PIN # 128-40-8530 (the Sheetz gas station) to beyond the Valley Vista Lane intersection (depicted on the Sheet 6 of the plan set and on approved construction plans (CPAP 2005-0147)), will remain a requirement of the development and is not affected by the subject application.

The <u>2003 Bike & Ped Plan</u> categorizes this segment of Poland Road as a "baseline connecting roadway" along which bicycle and pedestrian facilities are envisioned. Currently, a sidewalk is in place on the east side of Poland Road along the frontage of Grace Fellowship Church. The Townes at East Gate development proffered a 10-foot multi-purpose trail on the east side of Poland Road along its frontage; this facility is anticipated to be constructed in conjunction with the development of the site.

Applicant's Proposed Cash-In-Lieu Contribution

The Applicant's draft proffers propose a total contribution of \$231,000.00 in lieu of construction of the proffered additional left turn lane on westbound U.S. Route 50 at Poland

Road and modifications to the existing traffic signal at the U.S. Route 50/Poland Road intersection. The Applicant's bond estimate worksheets (provided as *Attachment 3*) place the total value of these improvements at approximately \$198,000.00 (this figure includes approximately \$45,000.00 associated with the signal modification).

Transportation Comments

- 1. The Applicant is requested to clarify how the \$231,000.00 figure included in the draft proffer statement was derived (contingency, etc). OTS staff notes that the procedure established for this type of application during review of the proffer amendments for East Gate I and III in 2009 (ZCPA 2008-0010 and 2008-0011) included a 20% contingency. OTS notes that staff from the Department of Building and Development (B & D Engineering Division) reviewed the Applicant's submitted bond estimate worksheets, and found them to be acceptable. Comments (email) from B & D staff to this effect are included as Attachment 4.
- 2. OTS staff is available to meet with the Applicant and VDOT to discuss the comments contained in VDOT's February 22, 2010 referral (Attachment 5). OTS staff notes that the guidance provided by the Board of Supervisors for staff review of this application (per the resolution in Attachment 1) was to determine the appropriate cash-in-lieu value of the Applicant's proffered improvements instead of actual construction. OTS staff also notes that the Applicant has indicated its desire to proceed with its development prior to the estimated timeframe of completion of the VDOT project.

Conclusion

Based on the review provided by B & D staff, the Applicant's proposed cash-in-lieu contribution amount (\$231,000.00) is adequate to cover the cost of the additional turn lane and signal modification that would have been incurred by the Applicant in the absence of the VDOT project. Subject to clarification regarding the Applicant's methodology for deriving the \$231,000.00 figure proposed in the proffer statement, OTS would have no objection to the approval of this application.

ATTACHMENTS

- 1. BOS Copy Teste and Action Item Initiating this ZCPA Application (December 1, 2009)
- 2. Site Vicinity Map
- 3. Applicant's Bond Estimate Worksheets and Signal Modification Cost Estimate
- 4. Email from B & D Staff Regarding Cost Estimates (February 16, 2010)
- 5. VDOT Referral Comments (February 22, 2010)
- cc: Terrie Laycock, Director, OTS
 Andrew Beacher, Assistant Director, OTS
 Chuck Acker, Traffic Controller/Engineer, OTS
 Ken Harwood, Engineer, B & D



Loudoun County, Virginia

www.loudoun.gov

Office of the County Administrator 1 Harrison Street, S.E., 5th Floor, P.O. Box 7000, Leesburg, VA 20177-7000 Telephone (703) 777-0200 • Fax (703) 777-0325

At a business meeting of the Board of Supervisors of Loudoun County, Virginia, held in the County Government Center, Board of Supervisors' Meeting Room, 1 Harrison St., S.E., Leesburg, Virginia, on Tuesday, December 1, 2009 at 9:00 a.m.

IN RE: BOARD MEMBER INITIATIVE: ZCPA FOR TOWNES AT EAST GATE PROFFERS (ZMAP 2002-0022)

Mr. Miller moved that the Board of Supervisors direct staff to process a ZCPA for the Townes of East Gate road improvement proffers so that the County receives a cash equivalent contribution for road construction being undertaken by VDOT.

Mr. Miller further moved that this ZCPA will not change the number of units previously approved.

Mr. Miller further moved that staff use the resolution in Attachment 1 as guidance in reviewing this ZCPA.

Seconded by Mrs. Kurtz.

Voting on the Motion: Supervisors Buckley, Burk, Burton, Delgaudio, Kurtz, McGimsey, Miller and Waters - Yes; None - No; and Chairman York - Absent for the Vote.

A COPY TESTE:

COUNTY BOARD OF SUPERVISORS

(10-ZCPA for Townes at East Gate Proffers - ZCPA 2002-0022)

Date of Meeting: December 1, 2009

LOUDOUN COUNTY BOARD OF SUPERVISORS ACTION ITEM BOARD MEMBER INITIATIVE

Item # 10

SUBJECT: BOARD MEMBER INITIATIVE- TOWNES OF EAST GATE PROFFER AMENDMENT (ZMAP 2002-0022)

INITIATED BY: Supervisor Stevens Miller

ELECTION DISTRICT: Dulles

CRITICAL ACTION DATE: December 1, 2009

RECOMMENDATION: Supervisor Miller is recommending that the Board of Supervisors initiate an amendment to the Townes of East Gate proffers regarding a cash contribution in lieu of improvements at the intersection of Poland Road and Rt. 50.

BACKGROUND:

Pulte Homes Corporation submitted PRAP 2009-0060 on August 25, 2009 requesting a change to road improvement proffers for the Townes of East Gate, ZMAP 2002-0022. Townes of East Gate was approved on October 18, 2005 for 57 single family detached units and 267 single family attached units. The property is located on 56.4 acres on the south side of Rt. 50, east of Poland Rd.

The proffers for the above zoning case state that before an occupancy permit may be issued, the road improvement proffers associated with this application require:

- 1. Two long left-turn lanes from westbound Route 50 to southbound Poland Road.
- Poland Road from Route 50 to approximately 250' south of the existing commercial entrance to PIN 128-40-8530-000, to be constructed or bonded for construction to a four lane configuration.

These improvements have now been funded by VDOT and therefore will not be constructed by the applicant. In lieu of constructing these road improvements, the applicant would provide a cash equivalent contribution to the County to fulfill the intent of the original proffer prior to being issued an occupancy permit.

In a related and similar action, on June 2, 2009, the Board of Supervisors approved a ZCPA for East Gate One (ZMAP 2004-0020) and East Gate Three (ZMAP 2005-0003) to allow for a monetary contribution to be made in lieu of Rt. 50 improvements that were subsequently funded by VDOT. This appropriation was initiated by the Board and no fees were charged to the applicant.

The Townes of East Gate proffers also anticipated structural and timing adjustments to the existing traffic signal at the Route 50/Poland Road intersection as determined by the County and/or VDOT, so as to accommodate these improvements. It is expected the proffer amendment review will address any implications with respect to signal modification and that the equivalent value will be included in the applicants cash contribution.

ISSUES:

- 1. A cash equivalency for the road improvements will need to be analyzed and determined.
- 2. The review of the proffer amendment will also need to address the timing of the VDOT project based on the project timelines provided by VDOT.

DRAFT MOTION:

- 1. "I move that the Board of Supervisors direct staff to process a ZCPA for the Townes of East Gate road improvement proffers so that the County receives a cash equivalent contribution for road construction being undertaken by VDOT. I further move that this ZCPA will not change the number of units previously approved. I further move that staff use the resolution in Attachment 1 as guidance in reviewing this ZCPA." or
- I move an alternative motion.

ATTACHMENTS:

- #1 Resolution of Intent to Initiate a ZCPA for Townes of East Gate
- #2 Correspondence from Christopher Consultants

Staff Contact(s): Valerie Suzdak, Staff Aide to Supervisor Stevens Miller

Item # 10 - Attachment 1

Resolution of Intent to Initiate a Zoning Concept Plan Amendment for Townes of East Gate (ZMAP 2002-0022) December 1, 2009

WHEREAS, the Board of Supervisors approved the proffer statement for Townes of East Gate (ZMAP 2002-0022) on October 18, 2005; and

WHEREAS, ZMAP 2002-0022 contained proffers which require the construction of Route 50 improvements at the intersection with Poland Road; and

WHEREAS, according to the proffer no occupancy permits may be issued without the road improvements; and

WHEREAS, subsequent to the approval of the above rezoning, VDOT has funded the projects that would include the proffered improvements; and

WHEREAS, the applicant would like provide an equivalent monetary contribution to the County in lieu of constructing proffered improvements; and

WHEREAS, a ZCPA application will allow for and require a review by staff to determine the value of said proffers; and

WHEREAS, this ZCPA will not change the number of approved units or approved concept plan; and

WHEREAS, the VDOT project will provide necessary connections to the Route 50/Poland Road intersection and the improvements will benefit the community; and

NOW THEREFORE be it resolved that the Loudoun County Board of Supervisors initiate an amendment to the proffers for the Townes of East Gate property such that a monetary contribution be provided, equivalent to the value of road improvements for the Route 50 and Poland Road intersection.

(Board Member Initiative ZCPA for Townes of East Gate ZMAP 2002-0022)

Item *10-Altachment 2



November 18, 2009

Mr. Charles Yudd Division Manager - Land Use Review Loudoun County Department of Planning 1 Harrison Street, S.E., 3rd Floor Leesburg, VA 20177

RE: Townes of East Gate

Proffered Transportation Improvements

Dear Mr. Yudd:

The owner and developer of the Townes of East Gate project is proffered to do intersection improvements at the intersection of Rt. 50 and Poland Rd. The Townes of East Gate was rezoned with the rezoning application number ZMAP 2000-0000. Pursuant to the proffer commitment, the developer moved forward and prepared detailed design plans for the proffered improvements. Those plans were approved and the applicant obtained a VDOT permit to perform the work. While this was occurring, the VDOT project to widen Rt 50 from Rt 28 to Poland Rd. moved forward. VDOT determined that their project would conflict with the improvements approved on the developer's construction plans and revoked the developer's permit.

In order to avoid the conflict and in order to allow the most effective use of scarce transportation improvement funds, the developer is requesting that their proffer to improve the Rt. 50/Poland Rd. intersection be amended so as to allow them to make a cash contribution to the County in lieu of the physical improvements to Rt. 50. The developer would still improve Poland Rd. at Rt. 50 to the same standard as originally proffered. The VDOT project will improve Rt. 50 at Poland Rd. to a standard equivalent to the improvements as originally proffered by the developer. The cash equivalent will result in a contribution of approximately \$400,000 to the County. It will be available to be used for other regional road improvements in the Dulles South area. The cash contribution will be made prior to the issuance of any occupancy permits on the project.

I trust this letter provides you with the information you requested. Clearly, this proffer amendment will be a major benefit to the County in that it will still get the originally proffered Rt. 50 improvements, and in addition, significant funds to be used for much needed road improvements. We very much appreciate you support and assistance in moving this item forward.

Very truly yours.

Louis Canonico, P.E. Regional Vice President

LC/dml

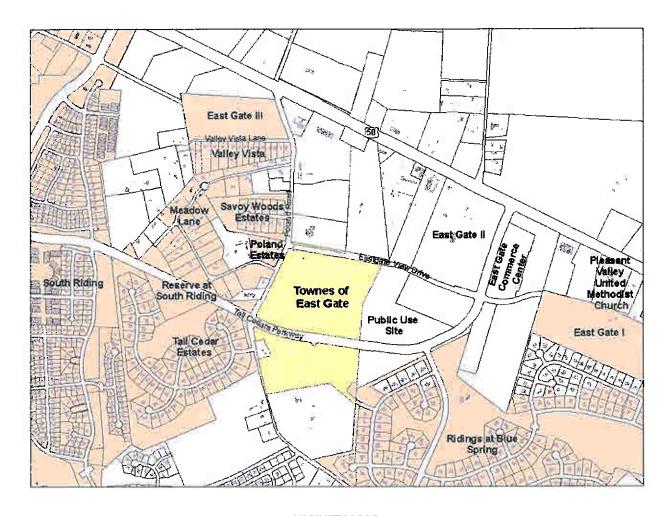
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VICINITY MAP

ZCPA 2009-0010 - Townes at East Gate

COUNTY OF LOUDOUN PUBLIC IMPROVEMENT BOND UNIT COST LIST AND BOND REDUCTION FORM (CPAP)

PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only)
PREPARED BY: Tucker Travis
FIRM: christopher

DATE: 9/17/2009 ection (Rt 50 Only) PROJECT NUMBER: CPAP-2005-0147 FIRM: christopher consultants, 1td. (ccl# 01-23-08.01) DATE: 9

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Loudoun County Bond Estimate (December/2007)

ATTACHMENT 3

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Loudoun County Bond Estimate (December/2007)

PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only)
PREPARED BY: Tucker Travis
PREPARED BY: Tucker Travis

AP-2005-0147	DATE: 9/17/2009
PROJECT NUMBER: CPAP-2005-0147	lopher consultants, Itd. (ccl# 01-23-08.01)
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PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only)
PREPARED BY: Tucker Travis FIRM: christonher

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PROJECT NUMBER: CPAP-2005-0147	its, ltd. (ccl# 01-23-08.01)
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<u> </u>	\$255.00				
	\$375.00				
	\$18.35				
	\$69.95				
96					
8" Pipe					

EXTENSION %COMPLETE BOND REDUCTION DATE: 9/17/2009 PROJECT NUMBER: CPAP-2005-0147 QUANTITY FIRM: christopher consultants, Itd. (ccl# 01-23-08.01) EXTENSION BOND BETRIATE QUANTITY PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only) \$76.90 \$91.33 \$137.27 \$101.68 \$152.33 \$173.99 \$129.55 \$38.95 \$50.25 \$98.55 \$485.00 \$565.00 \$645.00 \$755.00 \$1 195.00 \$1 795.00 \$2 135.00 \$2 135.00 \$28.65 \$43.15 \$800.00 UNIT COST LINO <u>"</u>" 当 느느 <u>"</u>" A STORM STRUCTURES
END SECTIONS
End Section (ES-1). Concrete
Pipe Size PREPARED BY: Tucker Travis EW-1 (Pre-cast) Round Pipe Size ENDWALLS 8'-14' Cut 15" Pipe 0'-8' Cut 8'-16' Cut 18" Pipe 24" Pipe 0'-8' Cut 8'-16' Cut 36" Pipe 0'-8' Cut 8'-16' Cut 0'-8' Cut 8'-16' Cut 12" Pipe 30" Pipe 0'-8' Cut 8'-16' Cut 8'-14' Cut 8'-16' Cut 48" Pipe 0'-8' Cut 8'-16' Cut 0'-8' Cut TEM 0-8 Cut 2

Loudoun County Bond Estimate (December/2007)

EXTENSION | %COMPLETE BOND REDUCTION DATE: 9/17/2009 調が強いな PROJECT NUMBER: CPAP-2005-0147 . 4 4 QUANTITY FIRM: christopher consultants, ltd. (ccl# 01-23-08.01) EXTENSION 3/15 3 BOND ESTIMATE QUANTITY PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only) \$1,337.00 \$2,021.00 \$2,133.00 \$2,366.00 \$1,053.00 \$1,495.00 \$2,144.00 \$2,383.00 \$1,445.00 \$1,840.00 \$1,247.00 \$1,618.00 \$2,109.00 \$5,445.00 \$6,695.00 \$6,660.00 \$7,140.00 \$7,990.00 \$9,490.00 \$4,723.00 \$6,039.00 \$6,972.00 \$8,179.00 \$10,713.00 \$12,288.00 \$999.00 UNIT COST \$695 00 \$667.00 LIND 진진 44444 444444 ង្គាន PREPARED BY: Tucker Travis EW-fA (Cast in Place)
Elliptical Pipe Size
23" X 14" (18")
30" X 19" (24")
38" X 24" (30")
45" X 29" (36")
53" X 34" (42") (EW-6PC) Double Pipel Pipe Size 2-15" Elliptical Pipe Size 23" X 14" (18") 30" X 19" (24") 38" X 24" (30") 45" X 29" (36") 53" X 34" (42") EW-1 Cast in Place EW-2 (Cast in Place) Round Pipe Size EW-2 (Pre-Cast) Round Pipe Size Round Pipe Size TEM 2-18" 8 3 2 3 8 8 2 8 5 7 8 2 8 2 84 22 4 8 2 8

Loudoun County Bond Estimate (December/2007)

			Section in Contrast of the last	100		DIXIE. MILLEON	130/80
			BOND ESTIMATE	ii.	I	вомо керистом	NO
ITEM	Lino	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COM
2-24"	ā	\$1,510.00					
2-30"	Ð	\$2,165.00					
2-36"	EA	\$2,647.00					
MANHOLES			1				
Standard Brick Manhole				ş			
Std Frame & Cover (MH-1)	·			W.			
6' Depth	EA	\$3,750.00					
Depth below 6'	VF	\$163.00					
Standard Precast Manhole		8				4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
sr (MH-2)							
6' Depth	EA	\$3,100.00			100		
Depth below 6'	٧F	\$177.00					
Additional Cost (Amounts In						30.00	
parentheses to be added to the							
above unit costs)							
Watertight Fr/Cover (Add 110)	A	\$579.00			The second second		2
Heavy Duty Fr/Cover (Add 82)	A	\$599.00					
DROP INLETS:			***	2.4	12.00	1.1	
Cast in Place 48"			原の名誉とい		TO SECURITY OF THE PROPERTY OF		
Drop Inlet (DI-1) 12" – 24" Pipe D-10 VF	EA	\$3,697.00					
Drop Inlet (DI-1A) 12" 24" Pipe 10- 20 VF	EA	\$5,593.00					
Drop Inlet (DI-2) 12" – 24" Pipe 0-10 VF, 10' throat	Æ	\$6,911.00					
Drop Inlet (DI-2A) 12" – 24" Pipe 10- 20 VF. 10' throat	EA	\$8,833.00					
CURB DROP INLETS							1
Curb Drop Inlet (DI-3A)					The State of the last		
12"-30" Pipe (Invert Depth (H) =0'-8') Inlet Length 2'-6"	EA	\$4,088.00					
Curb Drop Inlet (DI-3AA)				1			
12"-30" Pipe (Invert Depth	\ U	6E 2E7 00					
(H) =0'-8') Inlet Length 2'-6"	5	00.700,00					
Curb Drop Injet (Di-3B & DI-12) 12" 30" Pipe (Invert Depth	z_{η}	i i					
4'	EA	\$4,279.00					
.9	ΕA	\$4 573 00					
8	Ā	\$4 889 00					
10,	EA	\$5 052 00					
12'	ā	\$5 227 00					
16'	ā	\$5,543,00					
20'	E	\$5,859.00					
							١

Loudoun County Bond Estimate (December/2007)

			the second name of the latest at the latest				
			EIORID ESTIMATE			вомо меристом	NO
ITEM	TINO	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COMPLETE
Curb Drop Inlet (DI-38B) 12"-30" Pipe (Invert Depth (HI =8'-20') Inlet Length	The second second				14		
4'	EA	\$4.276.00					
6,	E	\$4.848,00					
8,	E	\$5 429.00					
10'	Ā	\$5 732.00					
12	Ā	\$6,011.00					
16	Ą	\$6,296.00					
20'	Ā	\$6,599.00					
Curb Drop Inlet (DI-3C) 12"-30" Pipe (Invert Death					4		
(H) =0'-8') Injet Length							61.5
	FA	\$401300				3.5	
-80	E	\$1,588.00					
10,	EA	64.803.00					
19:	5	000000					
71	Š	45 1/8.07					
10	ΕĄ	\$5 766.00					
20,	EA	\$6,339,00					
Curb Drop Inlet (DI-3CC) 12"-30" Pipe (Invert Depth (H) =8'-20") Inlet Length							
,9	E	\$4 846 00					
86	A	\$5 293 00					
10,	Æ	\$5 627 00					
12,	ā	\$5 938 00			2		
16,	Æ	\$6,772,00					
20,	찦	\$7,465.00					
Curb Drop Inlet (DI-3D)							
12*-30* Pipe (Invert Depth (H) =0'-8') Inlet Length 2'-6*	ΕĀ	\$3,633.00					
Curb Drop Injet (DI-3DD)		13. 2					
12"-30" Pipe (invert Depth (H) =8'-20") Inlet Length 2'-6"	ā	\$4,367.00					
Curb Debn Inlet (DL3E)							
12"-30" Pipe (Invert Depth (H) =0'-8") inlet Length			1 **				
4.	Ð	\$4 093.00					
ēo	Æ	\$4 756 00					
10'	EA	\$6 724 00					
12'	Ð	\$5,833.00					
16′	EA	\$6,072,00					
50,	₹	\$6.709.00					

						Section of the second section in the second	TO SECOND HOUSE OF THE PARTY OF
			BOND ESTIMATE	E	ie.	JOND REDUCTION	NO
ITEM	TINO	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COMPLETE
Curb Drop Inlet (DI-3EE) 12"-30" Pipe (Invert Depth							
(H) =8'-20') Injet Length							. 4 13 T
0.	S i	\$7,562.00					6.
o G	\$	\$7,869.00					
10.	E	\$7,999.00					
12,	E	\$8,166,00					
16'	EA	\$8,471.00		2.5			
20'	EA	\$8,767.00					
Curb Drop Inlet (DI-3F)							
(H) =0'-8') Inlet Length	y W			1			
6.	Ē	\$3,765,00					
8.	EA	\$4,419,00					
10,	EA	\$4,749.00					
12'	EA	\$5,085.00	50				
16'	Æ	\$5,742.00					
20,	EA	\$6,395,00					
Curb Drop Inlet (DI-3FF)	1		Sec.			E.	
(n) =0 =2v mier Length 6	EA	\$8.077.00			A.		2.
200	EA	\$8 298 60					
10'	Ā	\$8,430,00					
12'	ĒĀ	\$8,668,00					
16'	ĒĀ	\$9.047.00					
20'	EA	\$9,446.00			2000		
Curb Drop Injet (DI-4A) 36"-48" Pipe (Invert Depth (H)=0"- 8") Injet Length	1730						
4,	B	\$4,868.00					N N N N N N N N N N N N N N N N N N N
Curb Drop Inlet (DI-4AA) 36"-48" Pipe (Invert Depth (H)=0'- 8') Inlet I gooth							
4'	Ä	\$6.817.00					
Curb Drop Inlet (Di-4B) 36" 48" Pipe (Invert Depth (H) =0"-8") Inlet Lenoth					-K.		
ි	EA	\$5,172.00					
8.	EA	\$5,499.00					
10,	EA	\$5,698.00					
12,	EA	\$5,870,00					
16.	EA	\$6,221 OD					
20,	EA	\$6,571.00					

ection (Rt 50 Only) PROJECT NUMBER: CPAP-2005-0147 FIRM: christopher consultants, ltd. (ccl# 01-23-08.01) DATE: 9 PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only)
PREPARED BY: Tucker Travis
FIRM: christopher

DATE: 9/17/2009

\$10,292.00 \$10,643.00 \$10,643.00 \$11,309.00 \$11,309.00 \$5,794.00 \$5,769.00 \$5,896.00 \$5,896.00 \$5,896.00 \$5,896.00 \$5,996.00 \$5,996.00 \$5,996.00 \$7,695.00			SHITH	TVTFILLIOIO	
EA \$10,292.00 EA \$10,810.00 EA \$10,810.00 EA \$11,309.00 EA \$11,309.00 EA \$11,669.00 EA \$13,371.00 EA \$13,371.00 EA \$13,371.00 EA \$13,690.00 EA \$13,000.00 EA \$10,000.00 EA \$10	4 1		COANTILY	EXIENSION	%COMPLETE
EA \$10,292,00 EA \$10,643,00 EA \$10,974,00 EA \$11,309,00 EA \$11,669,00 EA \$13,371,00 EA \$5,767,00 EA \$6,233,00					
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EA \$10,292.00 EA \$10,974.00 EA \$10,974.00 EA \$11,399.00 EA \$11,399.00 EA \$11,699.00 EA \$13,371.00 EA \$13,371.00 EA \$13,371.00 EA \$13,690.00 EA \$5,267.00 EA \$6,233.00 EA \$6,233.00 EA \$6,233.00 EA \$6,233.00 EA \$6,290.00					
EA \$10,643.00 EA \$10,974.00 EA \$11,309.00 EA \$11,309.00 EA \$5,612.00 EA \$5,612.00 EA \$5,667.00 EA \$13,693.00 EA \$13,693.00 EA \$14,712.00 EA \$14,712.00 EA \$15,267.00 EA \$5,806.00 EA \$5,806.00 EA \$6,333.00	92.00				
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EA \$5,794,00 EA \$5,794,00 EA \$5,963,00 EA \$13,371,00 EA \$14,097,00 EA \$14,712.00 EA \$14,712.00 EA \$14,712.00 EA \$15,365,00 EA \$5,267.00 EA \$5,267.00 EA \$5,896.00 EA \$5,996.00 EA \$5,996.00 EA \$5,996.00 EA \$5,996.00 EA \$5,996.00	12.00				
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EA \$9,455.00 EA \$5,267.00 EA \$5,267.00 EA \$5,605.00 EA \$6,330.00 EA \$6,996.00 EA \$7,695.00	3.00				
EA \$9,455.00 EA \$5,267.00 EA \$5,267.00 EA \$5,896.00 EA \$6,396.00 EA \$6,996.00					
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EA \$5,267.00 EA \$5,267.00 EA \$5,860.00 EA \$6,233.00 EA \$6,930.00 EA \$6,930.00 EA \$7,695.00					
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Loudoun County Bond Estimate (December/2007)

PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only) PREPARED BY: Tucker Travis FIRM: christopher	te 50 Inters	ection (Rt 50 Or FIRM: christor	nly) pher consultants	ction (Rt 50 Only) PROJECT NUMBER: CPAP-2005-0147 FIRM: christopher consultants, ltd. (ccl# 01-23-08.01) DATE:	IBER: CPAP-20	005-0147 DATE: 9/17/2009	600
100			BOND ESTIMATE	選		NOND REBITOTION	NO
ITEM	UNIT	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COMPLETE
10,	Æ	\$9,839,00					
12'	ā	\$10,167.00					
16'	Æ	\$10,838.00					
20,	ā	\$11,483.00					
Curb Drop Inlet (DI-4F)							
88	Ā	\$5,877.00					
10,	Ā	\$6,209.00					
12'	ð	\$6,568.00					
16,	ĘĄ	\$7,259.00					
20'	Ā	\$7,963.00					
Curb Drop Inlet (DI-4FF)							
86	Æ	\$8,866.00					
10'	EA	\$9,147.00					
12'	EA	\$9,435.00					
16'	ā	\$9.997.00					
20'	Æ	\$10,584.00					
Median Drop inlets - CIP			-		ık .		
Median Drop Inlet (DI-6A)	Æ	\$4,205.00					
Median Drop Inlet (DI-6B)	V I	64 267 00					
12" -24" Pipe Inlet (H=8')	5	94,207.UU					
Median Drop Inlet (DI-6C) 30" -48" Pipe Inlet (H≕10')	Æ	\$5,589.00					
Median Drop Inlet (DI-6D)	FA	65 600 00					
30" -48" Pipe Inlet (H=10')	5	40,584.00					
Median Drop Inlet (DI-7)	EA	\$5,748.00					
Median Drop Inlet (DI-7A)							
Type III Top 12" -24"	Ä	\$6,338.00					
Pipe Inlet (H≃10')							

Loudoun County Bond Estimate (December/2007)

PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only) PREPARED BY: Tucker Travis FIRM: christophe	te 50 Inters	ection (Rt 50 On FIRM: christop	ly) her consultants	ction (Rt 50 Only) PROJECT NUMBER. FIRM: christopher consultants, Itd. (cci# 01-23-08.01)	PROJECT NUMBER: CPAP-2005-0147 td. (ccl# 01-23-08.01) DATE -	005-0147 DATE: 9/17/2009	OU
			HOND STIMANT			BOWING DIMPERSIN	
ITEM	UNIT	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COMPLETE
Median Drop Inlet (DI-7B) Type III Top 12" -24" Pipe Inlet (H=10')	ā	\$6,797.00					
MISCELLANEOUS INLETS							
Ditch Drop Inlet, (DI-5)	EA	\$5,226.00					
Standard Yard Inlet (YI-1) 12"-48" Pipe (Invert Depth (H)=0'-8") Inlet Length 4"(No Aprons)	EA	\$4,749.00					
Add Yard Inlet Apron	THROAT	\$255.00					
Standard Yard Inlet (YI-3) 12" 48" Pipe (Invert Depth (H)=0"-8") Inlet Length 4"(No Aprons)	Ą	\$5,127.00					
Add Yard Inlet Apron	THROAT	\$255.00					
CULVERTS		1					
Single Box Culivert (BC-1A) Fills to 25'							
4, X 4.	5	\$336.00					
5' x 5"	5	\$410.00					
6X6′	4	\$498.00					
8' X 8'	4	\$699.00					
10' X 10'	4	\$845.00					
Double Box Culvert (BC-2b) Fills to 25	W			1			
4' X 4'	1.	\$566.00					
5'x5"	占	\$705.00					
6' X 6'	щ	\$854.00					
8' X8'	<u>.</u>	\$1,148.00					
	-	D.11*1					
Uversized Single Box Culyert (BBC-1) Fills to 25'							
12' X 6'	<u> </u>	\$1,026.00					
12' X 8'	Ľ,	\$1,144.00					
12' X 10'	4	\$1,239.00					
12' X 12'	<u></u>	\$1,348.00					
Triple Box Guivert (BC-3B) Fills to 25'							
4' X 4'	7.F	\$779.00			Nii		
5°×5"	Ľ.	\$965 00					
6,×6;	4	\$121100					
8 × 8	٤	\$1 633 00					
10' X 10'	5	\$2 488 00					

PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only)
PREPARED BY: Tucker Travis
FIRM: christopher of

AP-2005-0147	DATE: 9/17/2009
PROJECT NUMBER: CPAP-2005-0147	its, Itd. (ccl# 01-23-08.01)
tion (Rt 50 Only)	FIRM: christopher consultan
AME:Poland Road/Route 50 Intersect	BY: Tucker Travis

						The second secon	
ITEM	LINO	UNITCOST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COMPLETE
Quadruple Box Culvert		The state of the s	100000000000000000000000000000000000000	The second section is			
(BC-4B) Fills to 25"	ļ						,
	11	\$987.00				1000	
5' x 5"	5	\$1,225.00					
6' X 6'	<u>u</u>	\$1,523.00					
8'X8'	4	\$1,497.00					
10' X 10'	<u>"</u>	\$2,835.00					
Standard Wing for Box Culyert							
(1 Side Only) Height of Box					3 4		
4'	EA	\$675.00					
ວ່	EA	2995.00					
6,	EA	\$1,337.00					
8,	EA	\$2,489.00					
10.	Ę	\$3,315.00					
Standard Wing for Oversized			1			1602	
Box Culvert (BBC-W)			w.dr			a .	
Height of Box							
6,	EA	\$1,251.00					
ςú	EA	\$2,189.00					
10'	Ā	\$3,269.00					
12'	EA	\$4,763.00					
MISCEL LANEOUS STORM						14 M. O. S.	3
Connection to							
Existing Structure							
15"-36" Pipe	Ā	\$735.00					
42"- 60" Pipe	EA	\$1,125.00					
Casing Pipe, Bore and Jack		100					
22" ID (6"-8" Carrier Pipe)	11.	\$411.00				E. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	できる 野野の
24" ID (10" Carrier Pipe)	4	\$451.00					
30" ID (12" Carrier Pipe)	<u>_</u>	\$569.00					
Plug Pipe							
6" -12" Pipe	EA	\$142.00					
15"-36" Pipe	E	\$323.00					
42"- 60" Pipe	EA	\$522.00					
Pavement Edge Pipe							
Standard Pipe Underdrain	1	\$19.00				V	
Riprap		V				7	
Dry, Class I, 18"	λS	\$47.87					
Dry, Class II, 18"	λS	\$51.46					
192	λS	\$69.97					
Filter Fabric	17					~	
Class I	λŚ	S3 50					
Class II	λŚ	\$3.00					

			TITAL CHISIOPIEI CONSULATIS, HE. (CCI# 01-23-08.01)	, וונו. (יכרות עו־23	-06.01)	DA LE: 9/11/2009	60
		m	BOND ESTIMAT	200		No Hollie School	NO
ITEM	UNIT	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COMPLETE
Gabions (No excavation)			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Can to the second	The state of the s	Ama draggine and at	
Mattress	ঠ	\$130.00					
Revetment	CΥ	\$164.33					
Wall	չ	\$212.25			gen.		
Paved Ditch (4" Thick)					11 / 10 / 11 / 11 /		
	SΥ	\$62.00					
Bituminous Concrete(4")	λS	\$30.00					
Sodded Ditch	M						
Sodded Ditch (Incl Fine Grading)	λS	\$9.86					× .
STREET CONSTRUCTION							
ROADS AND PARKING	4	THE RESERVE OF THE PARTY OF THE			The second second second	Water State of the State of	
Soil Stabilization	Inches		and the second second		100 A		
Cement 6%	SY/Inch	\$2.70					
Death (in Inches)							
Lime 6%	SY/Inch	\$1.89					
Death (in Inches):	Leptin						
Subbase Angenated Material						4	
Base Type	SY/Inch	\$1.75		, and	et e		©
•	Depth	2					
Depth (in Inches):	80						
Bituminous Concrete				 			<u></u>
Base Course	SY/Inch Depth	\$5.59					
Depth (in Inches):	3						:
Intermediate Course	SY/Inch Depth	\$5.49					
Depth (in Inches):							
Top Course	SYflnch	\$5.49					
Depth (in Inches):	2						
	λ	\$1.10					
Tack Coat	λS	\$1.10					
Driveway Restoration	· 1 = 1		9	46			
4* Concrete & 4* Gravel	SY	\$79.95					
2" S-5 & 7 6" Gravel	λS	\$31.96					
Shoulders, Type I							
Aggregated Base, 4	S	\$11.50		30			
Curb & Cutter CG6 & CG7	1	\$22 KG					
Curb Cut, CG-12 Detectable Surf.	1	\$569.00					
			A 44.				
Commercial Entrance CG-11	λS	\$52.88					
Commercial Entrance CC 13	3	AC 4 07				7	

Loudoun County Bond Estimate (December/2007)

			1000.57		10.00	DA1E: 21 // 2009	<u>\$</u>
			FOND ESTIMATE	150		NO. P. S.	NO
ITEM	UNIT	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	%COM
Residential Driveway Apron	λS	\$51.79					
Guardrails						S-SES	iii III
Std. Blocked-out W beam (GR2)		\$42.50					
Terminal OD 6 /1 -40: 650	÷ :	\$28.50					
Terminal GR-7 (1-6:27)	5	\$2,929.00					
Type I GR-8 Terminal (1=95)	ទីជ	97,039.00					
Type II GR-8 Terminal (1=13'.6")	5 6	4,399.00					
Terminal MR-4 (I =37'-6")	S	42 405 00					
Type I, MB-5 Terminal (1=27:-1)	5 2	\$3,485.00 \$7,025,00					
Type II, MB-5 Terminal (L=13-6)	Æ	\$1,675,00					
Miscellaneous		· · · · · · · · · · · · · · · · · · ·					i
Trash enclosure - Brick 6' high	5	\$325.00					
Reinforced Concrete Pad 6" to 8"	λS	\$62.00					
Striping 4" width (VDOT Type B)	Ŀ,	\$2.25	970.00	\$2,182,50			
Concrete Wheel Stops	EA	\$70.00					
Parking Lot Striping	EA	\$50.00					
Sign Island	EA	\$850.00					
Traffic Barricade	ΓF	\$43.45					
Street Name Signs	EA	\$435.00					
Traffic Control Signs	Ą	\$375.00					
Street Lighting (pole, bracket, light)	EA	\$4,285.00					
SIDEWALKS AND TRAILS				作。 一次 一次 一次 一次 一次 一次 一次 一次 一次 一次			
Sidewalk	Section of the sectio		ない 一般の				
Concrete 4" w/WWF, No base	SΥ	\$45.23					
Bitum, Conc, 2" w/4" Base	SY	\$30.00					
4" Conc, No Reinf., No Base	λS	\$41.00					
HANDRAIL	S. Garage		が大きい。		, 18°	"我们"人工	
Handrail 3 Rail 1-1/4" #4 Finish	I.F	\$96.50				The second second	
Wood Chip Trail					3		
Trails(Incl Excavation & Grading)	>	¢47 60					
Wood chip, 4' wide	5	e					
Bituminuos Trail							,
6' to 10' wide	λS	\$49.25					
STABILITATION							
Paved Flime	\	00 400				, a	
Stmwtr Conc Channel-Excav	}.	\$7.75					
ADD Grass Lined-seeded	λ	\$5.37					_,
ADD Grass Lined-sodded	λS	\$10.89	698 00	£7 E01 22			
Outlet Protection		.i		41,000,14			ì
Non-grouted Riprap 18"	λS	\$52.00					
Concrete 4"	SY	\$53.50					
Level Spreader	SY	\$4.44			Î		
Strain Change Land. Dante at							

Loudoun County Bond Estimate (December/2007)

PROJECT NAME:Poland Road/Route 50 Intersection (Rt 50 Only) PREPARED BY: Tucker

AP-2005-0147	DATE: 9/17/2009
PROJECT NUMBER: CPAP-2005-0147	ts, ltd. (ccl# 01-23-08.01)
D Intersection (Rt 50 Only)	FIRM: christopher consultants, Itd. (cci# 01-23-08.01)
d Road/Route 50 In	Travis

TEM	TIMIT	TOOO THAIL			-		
	S S	UNITCOSI	QUANTITY	EXTENSION	QUANTITY	EXTENSION	*COMPLETE
prap 18"	SΥ	\$58.00					
	ઇ	\$147.00					
on Control							
Sodding incl Fertifizing - Banks	λS	\$7.77					
izing – Flat	λS	\$5.35					
Seeding incl Fertilizing	λS	\$2.44					
/atering	λS	\$3.25					
Seeding W/Spil Treat & Watering	λs	\$6.46					
Straw Mulch w/Tack	λS	\$1.40					
	SY	\$1.77					
Special Additions (User Added)		?					
ed Material	SY/Inch Depth	\$1.34	1761.00	\$28,316.88			
- Kelles	12						
BM-25.0 Depth (in Inches):	SY/Inch Depth	\$4.54	1340.00	\$48,668.80			
	80						
SM 9.5A Depth (in Inches);	SY/Inch Depth	\$5.41	1340	\$10,874.10			
	1.5						
]	Ą	\$45,000.00	1.00	\$45,000,00			
FEMA Processing LOMR/CLOMR	A	\$7,500.00	SOLE SOLE				
Orawings)	EA	\$7,500.00			100		
					9-1		
,							
SWM/BMP POND	EA	See Note 1				P.	
NOL	Ā	See Note 2					
		3		\$154,158.50			
	S	See Note 3		\$12,000,00			

Note I SWM/BMP POND SHALL REQUIRE A SEPARATE ESTIMATE WHEN SHOWN ON THE PLAN; TO INCLUDE, BUT NOT LIMITED TO Note 2 SIGNALIZATION SHALL REQUIRE A SEPARATE DETAILED ESTIMATE (ATTACHED) WHEN SHOWN ON THE PLAN. Note 3 MOBILIZATION IS 5% OF THE SUBTOTAL OR A MINIMUM OF \$12,000.

TOTAL ESTIMATE OF COMPLETED WORK:

Contingencies: WILL REMAIN AT 10% TILL JULY 1ST, 2014.

PAP-2005-0147 DATE: 9/17/2009	QUANTITY EXTENSION %COMPLETE				\$7,310.97		ļun.
PROJECT NUMBER: CPAP-2005-0147, ttd. (ccl# 01-23-08.01) DATE: 9	KTENSION	\$166,158.50	\$16,615.85	\$182,774.35	4.00% = \$7,	\$198,000.00	600000000000000000000000000000000000000
consultants	UNIT COST QUANTITY	TOTAL	+ 10% CONTINGENCIES:	GRAND TOTAL:	+ INFLATION FACTOR AT:	SECOND YEAR BOND=	THIRD VEAR ROND
te 50 Intersec	UNIT	NEER			· · · · · · · · · · · · · · · · · · ·		
PREPARED BY: Tucker Travis PREPARED BY: Tucker Travis FIRM: christopher	ITEM	SEAL & SIGNATURE OF ENGINEER					

Updated Oct. 3, 2003

BOND ESTIMATE AND BOND REDUCTION FORM SEDIMENT AND EROSION CONTROL COUNTY OF LOUDOUN

I NAME: <u>Townes at East Gate Poland Rd/Route 50 Intersection(Rt 50 Only)</u> PROJECT NUMBER:CPAP/STPL CPAP 2005-0147
PREPARED BY: <u>Tucker Travis</u> FIRM: <u>christopher consultants, Itd.</u> DATE: <u>09/17/09</u>

ccl # 01-23-08.01

						10.00-62-10 # 123	-
		BOND	BOND ESTIMATE		ER REI	REDUCTION ESTIMATE	MATE
ITEM	UNIT	UNIT COST	QUANTITY	EXTENSION	QUANTITY	EXTENSION	% COMPLETE
CONSTRUCTION ENTRANCE	EA	\$2,290.00					
WITH WASH RACK	ĘĄ	\$3,620.00					
SILT FENCE	LF	\$3.60	858	\$ 3,088.80			-
REINFORCED SILT FENCE	LF	\$12.00					
DIVERSION DIKE	-F	\$3.60					
TREE PROTECTION	4	\$3.60					
SEDIMENT TRAP	Ē	\$420.00					
PIPE OUTLET TRAP	ΕA	\$1,330.00					
SEDIMENT BASIN	EA	\$4,580.00					
INLET PROTECTION	EA	\$180.00					
OUTLET PROTECTION	EA	\$300.00					
STONE CHECK DAM	EA	\$300.00					
RIP RAP CLASS I	λS	00'09\$					
PIPE SLOPE DRAIN	7	\$7.80					
UTILITY STREAM CROSSING	EA	\$1,810.00					
TEMPORARY SEEDING INCLUDES STRAW MULCH	AC	\$1,810.00					
PERMANENT SEEDING INCLUDES STRAW MULCH	AC	\$2,410.00	0.42	\$ 1,012.20			
SOIL STABILIZATION MAT	SF	\$1.20					
LOT ASSESSMENT FOR RURAL SUBDIVISION LOTS	LOT	\$3,000					

(Note: Current inflation factor for bond estimates is 4%)

ESTIMATE OF COMPLETED WORK:

TOTAL	4,101.00
+ 20% CONTINGENCIES	\$ 820.20
GRAND TOTAL	\$ 4,921.20
+ INFLATION FACTOR AT 4%	\$ 196.85
1ST YEAR BOND = GRAND TOTAL + 1 INFLATION FACTOR	\$ 5,118.05



WELLS + ASSOCIATES

October 1, 2009

Ken Griffin Equinox investments 43571 John Mosby Highway Chantilly, Virginia 20152

Re: John Mosby Highway (Route 50)/Tanner Lane/Poland (Route 742)
Traffic Signal Probable Engineer's Cost Estimate

Dear Mr. Griffin:

The probable engineer's cost estimate for the traffic signal modification at the John Mosby Highway (Route 50)/Tanner Lane/Poland (Route 742) intersection is \$43,000. This includes 10 percent contingencies. Attached is a line item breakdown of the probable cost estimate.

If you have any questions regarding this estimate, please feel free to contact me or Larry Sefcik at 703-917-6620.

Sincerely,

Martin J. Wells, P.E. President

Attachment



PROBABLE ENGINEER'S COST ESTIMATE

INTERSECTION: JOHN MOSBY HIGHWAY(ROUTE 50)/TANNER LANE/POLAND ROAD (ROUTE 742)

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
MOBILIZATION	LS		\$5,000.00	\$5,000.00
MAINTENANCE OF TRAFFIC	LS	1	\$10,000.00	\$10,000.00
SIGNAL HEAD SECTIONS	EA	3	\$220.00	\$660.00
3- SECTION BACKPLATES	EA	1	\$50.00	\$50.00
RELOCATE 3-SECTION TRAFFIC SIGNAL HEAD	EA	2	\$300.00	\$600.00
REPLACE 3-SECTION SIGNAL HEAD WITH LED HEAD	EA	2	\$450.00	\$900.00
14/7 CONDUCTOR CABLE	LF	400	\$1.5 5	\$620.00
14/2 (S) CONDUCTOR CABLE	LF	700	\$1.00	\$700.00
14/1 (ENC) CONDUCTOR CABLE	LF	3400	\$0.60	\$2,040.00
HANGER ASSEMBLY SM-3	EA	1	\$200.00	\$200.00
HANGER ASSEMBLY SMD-2	EA	1	\$100.00	\$100.00
TRENCH EXCAVATION ECI-1	LF	100	\$3.93	\$393.00
SAW CUT	LF	1175	\$8.35	\$9,811.25
SIGN PANEL	SF	5	\$27.00	\$135.00
RELOCATE SIGN	EA	4	\$150.00	\$600.00
PAVEMENT MARKINGS	ILS	1	\$6,500.00	\$6,500.00
(STOP BARS, ARROWS, AND BARS)	-	17.50		
SUBTOTAL				\$38,309.25
CONTINGENCIES (10%)				\$3,830.93
TOTAL				\$42,140.18
TOTAL - USE FOR ESTIMATE	1 - 11 - 77.11	-		\$43,000.00

WELLS + ASSOCIATES, INC TRANSPORTATION, TRAFFIC AND PARKING CONSULTANTS DATE:

10/1/2009

Mosurak, Lou

From:

Harwood, Ken

Sent:

Tuesday, February 16, 2010 4:15 PM

To:

Mosurak, Lou

Subject:

RE: ZCPA 2009-0010 -- Townes at East Gate Proffer Amendment (Route 50/Poland Road

Intersection - Cost Estimates)

Lou,

It looks like the bond estimate amounts as proposed are adequate. They have included \$45,000 for the traffic signal in the total amount of \$198,000.

Ken

----Original Message----

From: Mosurak, Lou

Sent: Friday, February 05, 2010 1:04 PM

To: Harwood, Ken

Subject: RE: ZCPA 2009-0010 -- Townes at East Gate Proffer Amendment (Route 50/Poland Road

Intersection - Cost Estimates)

Ken -- That's all that was included in the referral request I received from Ginny Rowen regarding the cost estimates. I do have the Applicant's statement of justification narrative and draft proffers if you'd like to see those (I can get them to you on Monday as I'm not in the office today - they may be on LMIS), but those items are just general and don't provide any more info with respect to costs.

Lou

From: Harwood, Ken

Sent: Friday, February 05, 2010 11:30 AM

To: Mosurak, Lou

Subject: RE: ZCPA 2009-0010 -- Townes at East Gate Proffer Amendment (Route 50/Poland Road

Intersection - Cost Estimates)

Lou,

Ken

From: Mosurak, Lou

Sent: Thursday, February 04, 2010 4:12 PM

To: Harwood, Ken

Cc: Laycock, Terrie; Rowen, Ginny A..; Clare, Gary; Acker, Charles

Subject: ZCPA 2009-0010 -- Townes at East Gate Proffer Amendment (Route 50/Poland Road

Intersection - Cost Estimates)

Ken — I need assistance in evaluating the cash-in-lieu contribution amounts proposed by an Applicant in a proffer amendment application (ZCPA 2009-0010 — Townes at East Gate) for E & S and turn lanes at Route 50 and Poland Road; this work was approved as part of CPAP 2005-0147. The Applicant is proposing to contribute a total of \$231,000 to the County instead of constructing the dual westbound Route 50 turn lanes at Poland Road (\$188,000) and making traffic signal modifications at this intersection (\$43,000). Both of these improvements have been determined by VDOT to be in conflict with the pending Route 50 widening project. Chuck Acker tells me that the signal plan has expired and would need revisions and re-approval by VDOT (this would add about \$7,000 to the signal modification estimate for a total estimate of \$50,000).

I've attached the materials that were provided by the Applicant for the E & S work, turn lanes, and signal modification. I believe that the same methodology should be used on this case as we used last year on the other proffer amendment application for East Gate I and III (I've also attached a copy of your memo on that case). Please let me know if you can assist me with this, and what your timeframe might be to respond.

I'm available to meet and discuss further if needed. If you have any questions, please let me know.

Thanks, Lou

From: Harwood, Ken

Sent: Tuesday, January 26, 2010 2:13 PM

To: Mosurak, Lou

Subject: Poland Road intersection

Lou,

The first application for the subject is CPAP-2005-0147and was approved 2/15/07. The 2 year bond amount is \$1,008,000.00 and the 3 year bond amount is \$1,046,000.00. CPAP-2007-0068 is a revision of the first CPAP and it was approved on 8/17/07.

Ken

Kenneth C. Harwood, Jr.
Engineer - Project Manager
LEED Accredited Professional
Department of Building and Development
Loudoun County, Virginia
703-737-8951
ken.harwood@loudoun.gov

February 22, 2010

Ms. Ginny Rowen County of Loudoun Department of Planning 1 Harrison Street, S.E. P.O. Box 7000 Leesburg, Virginia 20177-7000

Re: Townes at East Gate
(Proffer Amendment - 1st Submission)
Loudoun County Application Number ZCPA 2009-0010

Dear Ms. Rowen:

We have reviewed the above noted application as requested in your December 30, 2009 transmittal. We offer the following comments:

- 1. Please see the attached e-mail dated Thursday, January 28, 2010 from James C. Zeller, P. E. of VDOT's Preliminary Engineering Section.
- 2. Please see the attached e-mail dated Monday, February 08, 2010 from Ms. Kimberly A. McCool of VDOT's Location and Design Section.
- 3. It appears that the cost of the proffered improvements would exceed the amount of money proposed to be contributed in lieu of those improvements.
- 4. Our project managers (noted in comments # 1 and 2 above) for VDOT Project 0050-96A-101, R201, C501 would like to meet with the applicant and County representatives to coordinate other issues relating to the scope of these improvements and the VDOT project.

If you have any questions, please call me at (703) 383-2061.

Sincerely,

John Bassett, P.E. Transportation Engineer

Attachments

James C. Zeller, P. E. cc:

Ms. Kimberly A. McCool Imad Salous, P. E.

From: McCool, Kimberly A.

Sent: Monday, February 08, 2010 2:12 PM

To: Bassett, John (NOVA), P.E.

Cc: VanPoole, Thomas B., P.E.; Zeller, James C., P.E. Subject: RE: Townes at East Gate - Proffer Amendment

John~

First, I also agree that the dollar amount seems very low.

Second, to follow up with Jim's idea, if we were to change our plans at this stage it would have to be as a work order. We do have an addendum pending, but it should go out this week and I don't expect we can change the plans in order to get this included at this stage. The technical proposals are due in March. However, I don't see a problem with doing the work order. Having us take the dual lefts and signal modifications and having them construct the Poland Road improvements would definitely be the easiest way to go. If we constructed the improvements on Poland then we would need to evaluate it for the NEPA document. However, if the timing isn't an issue we could do the evaluation. The only risks here are that we find something related to the environmental, or in doing some redesign we end up with a bigger project.

Kim

From: Zeller, James C., P.E.

Sent: Thursday, January 28, 2010 4:19 PM

To: Bassett, John (NOVA), P.E.; McCool, Kimberly A.

Cc: VanPoole, Thomas B., P.E.

Subject: RE: Townes at East Gate - Proffer Amendment

First of all, the dollar amount should be tripled.

Second, let me throw out a crazy idea to the group that may get us a much better performing intersection for relatively little money: East Gate's proffer is for <u>double</u> lefts on Rte 50 with supporting signal modifications and receiving lanes on Poland Road. Our design maintains the existing single left. (This was a cost savings measure and it was also needed to stay within the footprint of our NEPA document.) What do you think of having East Gate construct the Poland Road improvements as currently proffered

and we modify our design to provide the double lefts on Rte 50? This means modifying the scope of our project and we will need Kim's input on how, and whether, we should do this.

Looking forward to hearing your thoughts.

Jim Z.